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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

Applicant : Juzer Jangbarwala  
Appln. No. : 10/658,079  
Filed : September 9, 2003  
Title : APPLICATION OF CONDUCTIVE ADSORBENTS, ACTIVATED CARBON  
GRANULES AND CARBON FIBERS AS SUBSTRATES IN CATALYSIS  
Docket No. : 434830-002  
Art Unit : 1755

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

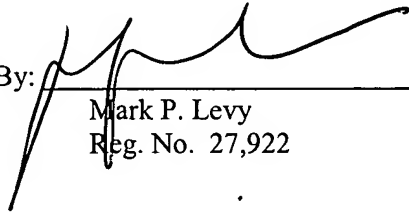
Pursuant to 37 C.F.R. §1.56, the Examiner's attention is directed to the references listed on the attached Information Disclosure Citation. Copies of all foreign patent documents and non-patent literature references are provided herewith.

It is to be understood that the present submission of art is in no way intended to be a waiver of any arguments or defenses available to the applicant under the rules of the U.S. Patent and Trademark Office and the statutes of the United States.

No fee is required. The Commissioner is authorized to charge any additional fees required by this paper or to credit any overpayment to Deposit Account No. 20-0809.

Respectfully submitted:

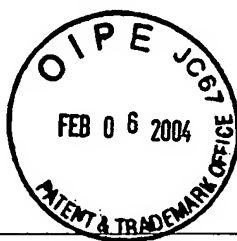
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## INFORMATION DISCLOSURE CITATION

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## U.S. PATENT DOCUMENTS

Examiner	Document No.	Date	Name	Class	Sub	
	Re. 34,853	02/1995	DeAngelis et al.			
	Re. 34,804	12/1994	Lachman et al.			
	6,641,795	11/2003	Abe			
	6,413,898	07/2002	Faber et al.			
	6,413,490	07/2002	Gilges et al.			
	6,387,149	05/2002	Harada et al.			
	6,383,972	05/2002	Parmentier et al.			
	6,362,128	03/2002	Schwartz			
	6,361,861	03/2002	Gao et al.			
	6,358,351	03/2002	Nakatani et al.			
	6,355,131	03/2002	Nakatani et al.			
	6,325,919	12/2001	Koyama et al.			
	6,284,314	09/2001	Kato et al.			
	6,277,780	08/2001	Beckler et al.			
	6,267,864	07/2001	Yadav et al.			
	6,235,673	05/2001	Zoeller et al.			
	6,235,255	05/2001	Kharas			
	6,214,195	04/2001	Yadav et al.			
	6,184,178	02/2001	Baluais et al.			
	6,159,892	12/2000	Moy et al.			
Examiner:		Date Considered:				

\* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

Examiner	Document No.	Date	Name	Class	Sub	
	6,159,533	12/2000	Dearnaley et al.			
	6,124,226	09/2000	Nielsen et al.			
	6,080,504	06/2000	Taylor et al.			
	6,077,483	06/2000	Locker et al.			
	5,972,525	10/1999	Mori et al.			
	4,769,477	09/1988	Bergna			
	4,677,084	06/1987	Bergna			
	4,046,663	09/1977	Fleet et al.			

FOREIGN PATENT DOCUMENT

							Trans	
Examiner	Document No.	Date	Country	Class	Sub	Y	N	
	02/28769	04/2002	Patent Cooperation Treaty			X		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Breen, J. et al., abstract of "Methanol reforming for fuel-cell applications: development of zirconia-containing Cu-Zn-Al catalysis," Centre for Environmental Research, University of Limerick, Limerick, Ireland (available on line June, 1999)
	Velu, S. et al., "Oxidative steam reforming of methanol over CuZnAl(Zr)-oxide catalysts; a new and efficient method for the production of CO-free hydrogen for fuel cells," <u>Chem. Commun.</u> , pp. 2341-2342 (1999)
Examiner:	Date Considered:

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"The Preparation of Catalytic Materials: Carriers, Active Components, and Monolithic Substrates," <u>Catalytic Air Pollution Control: Commercial Technology</u> , pp. 11-22 (date unknown). Applicant admits the status of this publication as prior art for the limited purpose of examination of this application, but otherwise reserves the right to challenge the status of this publication as prior art.
	Ingals, M., "Automotive Exhaust Hydrocarbon Adsorption Evaluation of Four Materials," prepared by Southwest Research Institute for Rohm and Haas Company (2/1993)
	Agrell, J. et al., "Production of hydrogen by partial oxidation of methanol over Cu/ZnO catalysts prepared by microemulsion technique," <u>Applied Catalysis A: General</u> , Vol. 211, pp. 239-250 (2001)
	de Wild, P.J., et al., "Catalytic production of hydrogen from methanol," <u>Catalysis Today</u> , 60, pp. 3-10 (2000)
	Amphlett, J., et al., "On-Board Fuel-Cell Hydrogen Production from Methanol: Catalyst Performance and Operating Characteristics," Department of Chemistry and Chemical Engineering, Royal Military College of Canada, Kingston, Ontario, Proceedings of 7 <sup>th</sup> Canadian Hydrogen Workshop (6/1995)
Examiner:	Date Considered:

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